

L Number	Hits	Search Text	DB	Time stamp
1	2	("5211833").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/29 07:51
2	3	"9532744"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/29 07:51
3	2	"19944970"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/29 07:52
5	0	titantium same phosporic same (cell or cells) same implant\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/29 08:55
6	0	titantium same phosporic same implant\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/29 08:56
7	0	titantium same hydroxyapatite same implant\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/29 08:55
8	0	titanium same phosporic same (cell or cells) same implant\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/29 08:56
9	0	titanium same phosporic same implant\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/29 08:56
10	0	(titanium same phosporic) and implant\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/29 08:56
11	7	titanium same phosphoric same (cell or cells) same implant\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/29 08:56

(FILE 'HOME' ENTERED AT 07:34:40 ON 29 DEC 2003)

FILE 'BIOSIS, MEDLINE, INPADOC, CAPLUS' ENTERED AT 07:34:53 ON 29 DEC 2003

L1 92 TITANIUM AND (PHOSPHORIC ACID) AND IMPLANT?
L2 87 DUPLICATE REMOVE L1 (5 DUPLICATES REMOVED)
L3 1 L2 AND (OSTEOBLAST?)
L4 6 L2 AND CELL#

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L2 ANSWER 78 OF 87 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1995:532291 CAPLUS
 DN 122:274159
 TI **Implant** for artificial dental roots, artificial bones,
 artificial joints, and bone fillers and its manufacture
 IN Ishizawa, Hitoshi
 PA Nippon Kogaku Kk, Japan
 SO Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 07031627	A2	19950203	JP 1992-28525	19920214
PRAI	JP 1992-28525		19920214		

AB The **implant** comprises (1) an **implant** core in which the
 entire core or the surface of the core is made of Ti or its alloy and (2)
 an anodic oxide film contg. Ca and P formed on the core surface. The
 process comprises anodization of an **implant** core which is
 entirely made of Ti or the surface of the core is made of Ti in an
 electrolytic soln. contg. Ca and P or phosphate ions. Biomaterials can be
 uniformly coated on complex shape **implant** surface in a short
 time and its affinity with bone can be improved.

L2 ANSWER 81 OF 87 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1994:144222 CAPLUS
 DN 120:144222
 TI Surface treatment of prosthetic **implants**
 IN Inoe, Kyoshi
 PA Ishifuku Metal Ind, Japan
 SO Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 05285213	A2	19931102	JP 1992-14047	19920129
	JP 3140527	B2	20010305		
PRAI	JP 1992-14047		19920129		

AB Materials for **implants** are pretreated with fluorides and electrodeposited with apatite using a soln. contg. **phosphoric acid** salts and Ca compds to enhance the biocompatibility. After the treatment, the coated materials are further heated. Ti was washed in a 5% HF soln. with ultrasonification, placed in a mixed. soln. contg. citric acid, Ca phosphate, and **phosphoric acid**, and electrodeposited at 60 V, 1 A, for 1 min to obtain a 15 .mu.m-thick apatite membrane, 89% of which was $\text{Ca}_{10}(\text{PO}_4)_6[\text{F}(\text{OH})_2]$. The coated Ti was further heated to 700.degree. for crystn.

L2 ANSWER 82 OF 87 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1994:116877 CAPLUS
 DN 120:116877
 TI Surface treatment of prosthetic **implants**
 IN Inoe, Kyoshi; Ibe, Yukio; Myazaki, Takashi
 PA Ishifuku Metal Ind, Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 05285212	A2	19931102	JP 1991-303242	19911119
	JP 3081316	B2	20000828		
PRAI	JP 1991-303242		19911119		

AB Materials for **implants** are electrodeposited with Ca phosphate using a soln. contg. **phosphoric acid** salts, Ca salts, and **phosphoric acid** to enhance the biocompatibility. Ti was placed in a mixed. soln. contg. citric acid, Ca phosphate, and **phosphoric acid**, and electrodeposited at 60 V, 1 A, for 40 s to obtain a 15 .mu.m-thick apatite film on the surface.

L2 ANSWER 86 OF 87 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1991:415663 CAPLUS
 DN 115:15663
 TI Artificial bone coated with calcium phosphate compounds
 IN Hosonuma, Masashi; Takeuchi, Atsumi
 PA Permelec Electrode Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 03063062	A2	19910319	JP 1989-200886	19890802
PRAI	JP 1989-200886		19890802		

AB A composite material consists of a metal, alloy or ceramic coated with a biocompatible Ca phosphate and used as a prosthetic bone **implant**. Thus, a Ti plate was sprayed with a coating soln. consisting of 4.72g Ca(NO₃)₂·4H₂O, 20g BuOH, and 3.86g bis(2-ethylhexyl)phosphate (mol ratio Ca:P:H₂O, 5:3:20), dried 15 min at 60.degree., and fired 20 min at 600.degree.. The coating and firing was repeated 5 times to give a bone **implant**.